

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/42535

A. CLASSIFICATION OF SUBJECT MATTER														
IPC(8) : A61K 38/43; C12N 9/00; C12P 21/06; C07K 1/00; C07H 21/02														
US CL : 424/94.1; 530/350; 435/183, 69.1; 536; 23.1														
According to International Patent Classification (IPC) or to both national classification and IPC														
B. FIELDS SEARCHED														
Minimum documentation searched (classification system followed by classification symbols) U.S. : 424/94.1; 530/350; 435/183, 69.1, 536; 23.1														
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched														
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet														
C. DOCUMENTS CONSIDERED TO BE RELEVANT														
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.												
A	PASTRNAK et al. A new Orthogonal Suppressor tRNA/Aminoacyl-tRNA Synthetase Pair for evolving an Organisms with an Expanded Genetic Code. Helvetica Chimica Acta. 2000, Vol 83, pages 2277-2286.	1-55												
A	CHIN et al An Expanded Eukaryotic Genetic Code. Science. 15 August 2003, Vol 301, pages 964-967.	1-55												
X	ULMASOV et al. Identity elemetns and aminoacylation of plant tRNAtRp Nucleic Acids Research. 1998, Vol 26, No. 22, pages 5139-5141, entire document.	1-3, 8, 9, 11-15, 34, 49, 51-55												
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex														
<table border="0"><tr><td>* Special categories of cited documents</td><td>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td></tr><tr><td>"A" document defining the general state of the art which is not considered to be of particular relevance</td><td>"X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td></tr><tr><td>"E" earlier application or patent published on or after the international filing date</td><td>"Y" document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td></tr><tr><td>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td><td>"&" document member of the same patent family</td></tr><tr><td>"O" document referring to an oral disclosure, use, exhibition or other means</td><td></td></tr><tr><td>"P" document published prior to the international filing date but later than the priority date claimed</td><td></td></tr></table>			* Special categories of cited documents	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"E" earlier application or patent published on or after the international filing date	"Y" document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family	"O" document referring to an oral disclosure, use, exhibition or other means		"P" document published prior to the international filing date but later than the priority date claimed	
* Special categories of cited documents	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention													
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone													
"E" earlier application or patent published on or after the international filing date	"Y" document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art													
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family													
"O" document referring to an oral disclosure, use, exhibition or other means														
"P" document published prior to the international filing date but later than the priority date claimed														
Date of the actual completion of the international search 09 January 2006 (09.01.2006)		Date of mailing of the international search report 31 JAN 2006												
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201		Author's name Marie B. Marvich, PhD Telephone No. 571-272-6600												

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Continuation of B. FIELDS SEARCHED Item 3:
East databases- USPAT, PGPUB, EPO, JPO, Derwent, IBM-IDB
STN- Caplus, Sciserach, Medline